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PTO/SB/05 (11-00)
Approved for use through 10/31/2002. OMB 0651-0032
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
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UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. 42390.12323

(maximum 12 characters)

First Named Inventor Niels Beier, et al.

Title: Tagging Packets With a Lookup Key to Facilitate Usage of a Unified Packet Forwarding Cache

Express Mail Label No. EL 886506972 US

ADDRESS TO: **Assistant Commissioner for Patents**
Box Patent Application
Washington, D. C. 20231

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1. ☒ **Fee Transmittal Form (e.g., PTO/SB/17)**
(Submit an original, and a duplicate for fee processing)
2. ☐ **Applicant Claims Small Entity Status. (37 CFR 1.27)**
3. ☒ **Specification (Total Pages 33)**
(preferred arrangement set forth below)
 - Descriptive Title of the Invention
 - Cross Reference to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference sequence listing, a table,
or a computer program listing appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
4. ☒ **Drawings(s) (35 USC 113) (Total Sheets 9)**
5. ☒ **Oath or Declaration (Total Pages 5)**
 - a. ☐ Newly Executed (Original or Copy)
 - b. ☐ Copy from a Prior Application (37 CFR 1.63(d))
(for Continuation/Divisional with Box 17 completed)
 - i. ☐ DELETIONS OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
 - c. ☒ Unsigned.
6. ☐ **Application Data Sheet. (37 CFR 1.76)**
7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. ☐ Nucleotide and/or Amino Acid Sequence Submission
(if applicable, all necessary)
 - a. ☐ Computer Readable Form (CRF)
 - b. ☐ Specification Sequence Listing on:
 - i. ☐ CD-ROM or CD-R (2 copies); or
 - ii. ☐ paper
 - c. ☐ Statement verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

42390.12323

9. _____ **Assignment Papers (cover sheet & documents(s))**
10. _____ a. Separate 37 CFR 3.73(b) Statement (where there is an assignee)
- _____ X _____ b. Power of Attorney
11. _____ English Translation Document (if applicable)
12. _____ X _____ a. Information Disclosure Statement (IDS)/PTO-1449
- _____ X _____ b. Copies of IDS Citations
13. _____ **Preliminary Amendment**
14. _____ X _____ **Return Receipt Postcard (MPEP 503) (Should be specifically itemized)**
15. _____ Certified Copy of Priority Document(s) (if foreign priority is claimed)
16. _____ **Request and Certification under 35 U.S.C. 122(b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.**
17. _____ Other: _____

18A. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information:

_____ Continuation _____ Divisional _____ Continuation-in-part (CIP)
Of Prior Application No.: _____ Examiner _____ Group Art Unit _____

(which is a _____ continuation/ _____ divisional/ _____ CIP of prior application no. _____,
which is a _____ continuation/ _____ divisional/ _____ CIP of prior application no. _____) (List entire chain of priority)

For CONTINUATION AND DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

18B. Statement under 37 CFR 3.73(b) for continuing application:

The undersigned states that _____ (name of assignee) is
the assignee of the entire right, title, and interest in the accompanying patent application by virtue of an
assignment recorded in the Patent and Trademark Office at Reel. No. _____ Frame No. _____
(or a copy of which is attached).

19. Correspondence Address

_____ Customer Number or Bar Code Label _____
or _____ (Insert Customer No. or Attach Bar Code Label here)

_____ X _____ Correspondence Address Below

NAME _____ Michael A. DeSanctis _____

_____ BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP _____

ADDRESS _____ 12400 Wilshire Boulevard _____

_____ Seventh Floor _____

CITY _____ Los Angeles _____ STATE _____ California _____ ZIP CODE _____ 90025-1026 _____

Country _____ U.S.A. _____ TELEPHONE _____ (303) 740-1980 _____ FAX _____ (303) 740-6962 _____

Name (PRINT/TYPE) _____ Michael A. DeSanctis _____ Registration No.: _____ 39,957 _____

Signature: _____ Date: _____ 9/28/01 _____

FEE TRANSMITTAL FOR FY 2001

| | |
|-------------------------------------|---------------------------|
| TOTAL AMOUNT OF PAYMENT (\$) | <u>\$ 1,086.00</u> |
|-------------------------------------|---------------------------|

Complete if Known:

Application No. Unassigned

Filing Date Concurrently Herewith

First Named Inventor Niels Beier, et al.

Group Art Unit Not yet assigned

Examiner Name Not yet assigned

Attorney Docket No. 42390.12323

METHOD OF PAYMENT (check one)

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:

Deposit Account Number 02-2666

Deposit Account Name _____

- [X] Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17**

- [] Applicant claims small entity status. See 37 CFR 1.27**

2. X Payment Enclosed: X Check
 Credit Card
 Money Order
 Other

FEE CALCULATION

1. BASIC FILING FEE

| <u>Large Entity</u> | | <u>Small Entity</u> | | | |
|---------------------|-------------|---------------------|-------------|------------------------------------|-------------------|
| <u>Fee</u> | <u>Fee</u> | <u>Fee</u> | <u>Fee</u> | | |
| <u>Code</u> | <u>(\$)</u> | <u>Code</u> | <u>(\$)</u> | <u>Fee Description</u> | <u>Fee Paid</u> |
| 101 | 710 | 201 | 355 | Utility application filing fee | <u>\$ 710.00</u> |
| 106 | 320 | 206 | 160 | Design application filing fee | <u> </u> |
| 107 | 490 | 207 | 245 | Plant filing fee | <u> </u> |
| 108 | 710 | 208 | 355 | Reissue filing fee | <u> </u> |
| 114 | 150 | 214 | 75 | Provisional application filing fee | <u> </u> |

SUBTOTAL (1) \$ 710.00

2. EXTRA CLAIM FEES

| 2. <u>EXTRA CLAIM FEES</u> | | | | <u>Fee from</u> | | <u>Fee Paid</u> |
|----------------------------|-----------|---------------------|-----------|-----------------|--------------|-----------------|
| | | <u>Extra Claims</u> | | <u>below</u> | | |
| Total Claims | <u>32</u> | - 20** = | <u>12</u> | X | <u>18.00</u> | = <u>216.00</u> |
| Independent Claims | <u>5</u> | - 3** = | <u>2</u> | X | <u>80.00</u> | = <u>160.00</u> |
| Multiple Dependent | | | | | | = |

****Or number previously paid, if greater; For Reissues, see below.**

| <u>Large Entity</u> | | <u>Small Entity</u> | | |
|---------------------|------|---------------------|------|-----------------------------------------------------------|
| Fee | Fee | Fee | Fee | |
| Code | (\$) | Code | (\$) | <u>Fee Description</u> |
| 103 | 18 | 203 | 9 | Claims in excess of 20 |
| 102 | 80 | 202 | 40 | Independent claims in excess of 3 |
| 104 | 270 | 204 | 135 | Multiple dependent claim, if not paid |
| 109 | 80 | 209 | 40 | **Reissue independent claims over original patent |
| 110 | 18 | 210 | 9 | **Reissue claims in excess of 20 and over original patent |

SUBTOTAL (2) \$ 376.00

FEE CALCULATION (continued)

P

3. ADDITIONAL FEES

| Large Entity | | Small Entity | | Fee Description | Fee Paid |
|---------------------------|----------|--------------|----------|----------------------------------------------------------------------------|----------|
| Fee Code | Fee (\$) | Fee Code | Fee (\$) | | |
| 105 | 130 | 205 | 65 | Surcharge - late filing fee or oath | _____ |
| 127 | 50 | 227 | 25 | Surcharge - late provisional filing fee or cover sheet | _____ |
| 139 | 130 | 139 | 130 | Non-English specification | _____ |
| 147 | 2,520 | 147 | 2,520 | For filing a request for ex parte reexamination | _____ |
| 112 | 920* | 112 | 920* | Requesting publication of SIR prior to Examiner action | _____ |
| 113 | 1,840* | 113 | 1,840* | Requesting publication of SIR after Examiner action | _____ |
| 115 | 110 | 215 | 55 | Extension for reply within first month | _____ |
| 116 | 390 | 216 | 195 | Extension for reply within second month | _____ |
| 117 | 890 | 217 | 445 | Extension for reply within third month | _____ |
| 118 | 1,390 | 218 | 695 | Extension for reply within fourth month | _____ |
| 128 | 1,890 | 228 | 945 | Extension for reply within fifth month | _____ |
| 119 | 310 | 219 | 155 | Notice of Appeal | _____ |
| 120 | 310 | 220 | 155 | Filing a brief in support of an appeal | _____ |
| 121 | 270 | 221 | 135 | Request for oral hearing | _____ |
| 138 | 1,510 | 138 | 1,510 | Petition to institute a public use proceeding | _____ |
| 140 | 110 | 240 | 55 | Petition to revive - unavoidable | _____ |
| 141 | 1,240 | 241 | 620 | Petition to revive - unintentional | _____ |
| 142 | 1,240 | 242 | 620 | Utility issue fee (or reissue) | _____ |
| 143 | 440 | 243 | 220 | Design issue fee | _____ |
| 144 | 600 | 244 | 300 | Plant issue fee | _____ |
| 122 | 130 | 122 | 130 | Petitions to the Commissioner | _____ |
| 123 | 130 | 123 | 130 | Petitions related to provisional applications | _____ |
| 126 | 180 | 126 | 180 | Submission of Information Disclosure Stmt | _____ |
| 581 | 40 | 581 | 40 | Recording each patent assignment per property (times number of properties) | _____ |
| 146 | 710 | 246 | 355 | For filing a submission after final rejection (see 37 CFR 1.129(a)) | _____ |
| 149 | 710 | 249 | 355 | For each additional invention to be examined (see 37 CFR 1.129(b)) | _____ |
| 179 | 710 | 279 | 355 | Request for Continued Examination (RCE) | _____ |
| 169 | 900 | 169 | 900 | Request for expedited examination of a design application | _____ |
| Other fee (specify) _____ | | | | | _____ |
| Other fee (specify) _____ | | | | | _____ |
| SUBTOTAL (3) \$ | | | | | _____ |

*Reduced by Basic Filing Fee Paid

SUBMITTED BY:

Typed or Printed Name: Michael A. DeSanctis
 Signature: [Signature] Date: 9/28/01
 Reg. Number: 39,957 Telephone Number: 303-740-1980

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

| | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|
| EXPRESS MAIL CERTIFICATE OF MAILING "Express Mail" Mailing No. EL 886506972 US | |
| I hereby certify that I am causing the above-referenced correspondence to be deposited with the United States Postal Service "Express Mail Post Office to Addressee" service on the date indicated below and that this paper or fee has been addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231 | |
| Date of Deposit: <u>September 28, 2001</u> | Name of Person Mailing Correspondence: <u>Fran C. Rolfsen</u> |
| Signature: <u>[Signature]</u> | Date: <u>9-28-01</u> |

Serial/Patent No.: Unassigned Filing/Issue Date: Concurrently
Client: Intel Corporation
Title: Tagging Packets With a Lookup Key to Facilitate Usage
of a Unified Packet Forwarding Cache
BSTZ File No.: 42390.12323 Atty/Secty Initials: EHT/MAD/fr
Date Mailed: 9-28-01 Docket Due Date: _____

The following has been received in the U.S. Patent & Trademark Office on the date stamped hereon:

- | | | |
|------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|-----------------------------------------------------------|
| <input type="checkbox"/> Amendment/Response (____ pgs.) | <input checked="" type="checkbox"/> Express Mail No. <u>EL886506972US</u> | <input checked="" type="checkbox"/> Check No. <u>1944</u> |
| <input type="checkbox"/> Appeal Brief (____ pgs.) (in triplicate) | <input type="checkbox"/> _____ Month(s) Extension of Time | Amt: <u>\$1,086.00</u> |
| <input checked="" type="checkbox"/> Application - Utility (<u>33</u> pgs., with cover and abstract) | <input checked="" type="checkbox"/> Information Disclosure Statement & PTO-1449 (<u>4</u> pgs.) | <input type="checkbox"/> Check No. _____ |
| <input type="checkbox"/> Application - Rule 1.53(b) Continuation (____ pgs.) | <input type="checkbox"/> Issue Fee Transmittal | Amt: _____ |
| <input type="checkbox"/> Application - Rule 1.53(b) Divisional (____ pgs.) | <input type="checkbox"/> Notice of Appeal | |
| <input type="checkbox"/> Application - Rule 1.53(b) CIP (____ pgs.) | <input type="checkbox"/> Petition for Extension of Time | |
| <input type="checkbox"/> Application - Rule 1.53(d) CPA Transmittal (____ pgs.) | <input type="checkbox"/> Petition for _____ | |
| <input type="checkbox"/> Application - Design (____ pgs.) | <input checked="" type="checkbox"/> Postcard | |
| <input type="checkbox"/> Application - PCT (____ pgs.) | <input type="checkbox"/> Power of Attorney (____ pgs.) | |
| <input type="checkbox"/> Application - Provisional (____ pgs.) | <input type="checkbox"/> Preliminary Amendment (____ pgs.) | |
| <input type="checkbox"/> Assignment and Cover Sheet | <input type="checkbox"/> Reply Brief (____ pgs.) | |
| <input checked="" type="checkbox"/> Certificate of Mailing | <input type="checkbox"/> Response to Notice of Missing Parts | |
| <input checked="" type="checkbox"/> Declaration & POA (<u>5</u> pgs.) <u>unsigned</u> | <input type="checkbox"/> Small Entity Declaration for Indep. Inventor/Small Business | |
| <input type="checkbox"/> Disclosure Docs & Orig & Copy of Inventor's Signed Letter (____ pgs.) | <input checked="" type="checkbox"/> Transmittal Letter, in duplicate | |
| <input checked="" type="checkbox"/> Drawings: <u>9</u> # of sheets includes <u>11</u> figures | <input checked="" type="checkbox"/> Fee Transmittal, in duplicate | |
- ☒ Other: Cited art: 2 articles

EL886506972US

"Express Mail" mailing label number: EL 886506972 US
Date of Deposit: September 28, 2001

I hereby certify that I am causing this paper or fee to be deposited with the United States Postal Service "Express Mail Post Office to Addressee" service on the date indicated above and that this paper or fee has been addressed to the Commissioner of Patents and Trademarks, Washington, D.C. 20231

Fran C. Rolfsen

(Name of person mailing paper or fee)

Fran C. Rolfsen

(Signature of person mailing paper or fee)

9-28-01

(Date signed)